

THE PORT AUTHORITY  
OF NEW YORK AND NEW JERSEY

ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
CHIEF ELECTRICAL ENGINEER

1 8/23/99 AS-BID  
No. Date Revision Approved

ENGINEERING DEPARTMENT  
DESIGN DIVISION

WORLD  
TRADE  
CENTER

# ELECTRICAL

Title  
FIRE ALARM SYSTEM  
DEVICE UPGRADE  
PHASE III  
1 WORLD TRADE CENTER  
CONTRACT NO. 3

87th FLOOR  
SMOKE DETECTOR  
INSTALLATION AND  
REMOVAL PLAN

This drawing subject to conditions in Contract. All  
inventions, ideas, designs and methods herein are  
reserved to Port Authority and may not be used  
without its written consent.

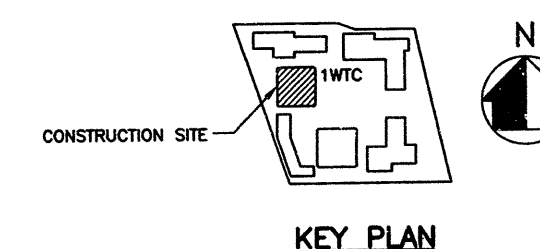
S. FELDSTEIN F. BROWN A.S.  
Designed by Drawn by Checked by

AUGUST 9, 1999  
Date

WTC-861.176 E-087-3  
Contract Number Drawing Number

## NOTES

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1.  
FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS,  
SEE DWG. E-3.
2. CONTRACTOR SHALL REMOVE EXISTING SMOKE DETECTORS ONLY  
AFTER INSTALLED DEVICES ARE OPERATIONAL.
3. FOR REMOVAL AND PATCHING PLAN DETAILS (P-1, P-2, P-3  
& P-4), SEE DWG. A-1.
4. FOR RETURN AIR SMOKE DETECTORS ARRANGEMENT AND NOTES,  
SEE DWG. M-1.
5. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND  
INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN  
ON DRAWING.
6. DISCONNECT AND ABANDON EXISTING SMOKE DETECTOR CIRCUITS IN  
CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS  
ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE  
ENGINEER.
7. COORDINATE CONDUIT PENETRATION OF TENANT FIRE ALARM CONTROL  
PANEL WITH TENANT FIRE ALARM CONTROL PANEL SERVICE VENDOR  
THROUGH THE ENGINEER.



KEY PLAN

0 12 24  
SCALE IN FEET

